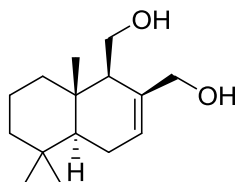


Drimendiol

Code No.: **BIA-D1771**

Pack sizes: **1 mg, 5 mg**



Synonyms : (-)-11,12-Dihydroxydrimene, (-)-Drimenediol, 11,12-Dihydroxydrimene, Polygodiol

Specifications

CAS #	: 34437-62-2
Molecular Formula	: C₁₅H₂₆O₂
Molecular Weight	: 238.4
Source	: Semi-synthetic
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Drimendiol is the sesquiterpene dialcohol of polygodial, found in a number of plant species native to Australia and New Zealand. More recently, drimendiol was prepared from polygodial isolated from *Tasmania lanceolata* by Smith and colleagues at the University of Tasmania, Australia. Drimendiol's bioactivity has received little attention but it is reported as a quorum sensing inhibitor.

References

1. Practical isolation of polygodial from *Tasmania lanceolata*: a viable scaffold for synthesis. Just J. et al. *Org. Biomol. Chem.*, 2015, 13, 11200
2. Drimendiol, a drimane sesquiterpene with quorum sensing inhibition activity. Paza C. et al., *Nat. Prod. Commun.* 2013, 8, 147.
3. Identification of a drimenol synthase and drimenol oxidase from *Persicaria hydropiper*, involved in the biosynthesis of insect deterrent drimanes. Hemquet M.G.L. et al., *Plant J.* 2017, 90, 1052.